

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled).

Claim 14 (New): A method, comprising:

mixing an aqueous polymer dispersion and an abrasive grit to form a grit mixture,

then

drying the grit mixture to form an abrasive material,

wherein the aqueous polymer dispersion comprises dispersed particles of at least one polymer A1 having a glass transition temperature T_g of from -20°C to $+35^{\circ}\text{C}$ and obtained by free-radical emulsion polymerization in the presence of a polymer A2, wherein the polymer A2 comprises polymerized units of

- from 50 to 99.5% by weight of at least one of an ethylenically unsaturated monocarboxylic acid and an ethylenically unsaturated dicarboxylic acid whose carboxylic groups can form an anhydride group, or mixtures thereof,
- from 0.5 to 50% by weight of at least one ethylenically unsaturated compound selected from the group consisting of an ester of an ethylenically unsaturated monocarboxylic acid, a monoester of an ethylenically unsaturated dicarboxylic acid and a diester of an ethylenically unsaturated dicarboxylic acid with an amine containing at least one hydroxyl group, and
- up to 20% by weight of at least one further monomer

Claim 15 (New): The method as claimed in claim 14, wherein the polymer A2 comprises polymerized units of at least one monomer selected from the group consisting of a $\text{C}_3\text{-C}_{10}$ monocarboxylic acid and a $\text{C}_4\text{-C}_8$ dicarboxylic acid.

Claim 16 (New): The method as claimed in claim 14 wherein the amine containing at least one hydroxyl group is at least one amine of formula (I)



where

R^c is at least one of a C_6 to C_{22} alkyl, a C_6 to C_{22} alkenyl, an aryl- C_6 - C_{22} alkyl or an aryl- C_6 - C_{22} alkenyl, wherein the alkenyl radical has 1 to 3 nonadjacent double bonds,

R^a is at least one of an hydroxy- C_1 - C_6 alkyl or a radical of formula II



wherein the sequence of the alkylene oxide units is arbitrary and x and y independently of each other are an integer from 0 to 100, and the sum of x and y is > 1 ,

R^b is at least one of hydrogen, a C_1 to C_{22} alkyl, a hydroxy- C_1 - C_6 alkyl, a C_6 to C_{22} alkenyl, an aryl- C_6 - C_{22} alkyl, an aryl- C_6 - C_{22} alkenyl or a C_5 to C_8 cycloalkyl, wherein the alkenyl radical has 1 to 3 nonadjacent double bonds, or R^b is a radical of formula III



wherein the sequence of the alkylene oxide units is arbitrary and v and w independently of each other are an integer from 0 to 100.

Claim 17 (New): The method as claimed in claim 14 wherein the weight ratio based on solids of polymer A1 to polymer A2 is in the range from 7:1 to 1:7.

Claim 18 (New): The method as claimed in claim 14, wherein the weight ratio based on solids of polymer A1 to polymer A2 is in the range of from 3:1 to 1:3.

Claim 19 (New): The method as claimed in claim 14, wherein the polymer A2 further comprises an alkanolamine crosslinker having at least two hydroxyl groups.

Claim 20 (New): The method as claimed in claim 14, wherein the polymer A1 has a glass transition temperature of from -20 to +30°C.

Claim 21 (New): The method as claimed in claim 14, wherein the polymer A1 is at least one copolymer comprising a hard comonomer block having a glass transition temperature of from 65 to 165°C and a soft comonomer block having a glass transition temperature of from -65 to -10°C.

Claim 22 (New): The method as claimed in claim 14, further comprising:
adjusting the pH of the grit mixture to from 2 to 8 by adding one or more of an organic base and an inorganic base.

Claim 23 (New): The method as claimed in claim 14, further comprising:
mixing the grit mixture with one or more of an organic polymeric mixing component or an inorganic polymeric mixing component in at least one of a dissolved form or a dispersed form.

Claim 24 (New): An abrasive paper comprising an abrasive material obtained by the method of claim 14 and a paper substrate,
wherein the abrasive material is present on at least one surface of the paper.

Claim 25 (New): An abrasive cloth comprising the abrasive mixture obtained by the process of claim 14 and a cloth,

wherein the abrasive material is present on the surface of the cloth or the cloth is present in a matrix of the abrasive material.

Claim 26 (New): A scouring pad comprising an abrasive material obtained by the method of claim 14, wherein the abrasive grit is present in a dispersed form in a dried matrix of the aqueous polymer dispersion.

Claim 27 (New): An abrasive material, comprising:

a dried mixture comprising an abrasive grit and an aqueous polymer dispersion comprising dispersed particles of at least one polymer A1 having a glass transition temperature T_g of from -20°C to $+35^{\circ}\text{C}$ and obtained by free-radical emulsion polymerization in the presence of a polymer A2 comprising polymerized units of

- from 50 to 99.5% by weight of at least one of an ethylenically unsaturated monocarboxylic acid and an ethylenically unsaturated dicarboxylic acid whose carboxylic groups can form an anhydride group, or mixtures thereof,
- from 0.5 to 50% by weight of at least one ethylenically unsaturated compound selected from the group consisting of an ester of an ethylenically unsaturated monocarboxylic acid, a monoester of an ethylenically unsaturated dicarboxylic acid and a diester of an ethylenically unsaturated dicarboxylic acid with an amine containing at least one hydroxyl group, and
- up to 20% by weight of at least one further monomer.

Claim 28 (New): The abrasive material as claimed in claim 22, wherein the polymer A2 comprises polymerized units of at least one of a C₃-C₁₀ monocarboxylic acid and a C₄-C₈ dicarboxylic acid.

Claim 29 (New): The abrasive material as claimed in claim 27, wherein the amine containing at least one hydroxyl group is at least one amine of formula (I)



where

R^c is at least one of a C₆ to C₂₂ alkyl, a C₆ to C₂₂ alkenyl, an aryl-C₆-C₂₂ alkyl or an aryl-C₆-C₂₂ alkenyl, wherein the alkenyl radical has 1 to 3 nonadjacent double bonds,

R^a is at least one of a hydroxy-C₁-C₆ alkyl or a radical of formula II



where the sequence of the alkylene oxide units is arbitrary and x and y independently of each other are an integer from 0 to 100, and the sum of x and y is > 1,

R^b is at least one of hydrogen, a C₁ to C₂₂ alkyl, a hydroxy-C₁-C₆ alkyl, a C₆ to C₂₂ alkenyl, an aryl-C₆-C₂₂ alkyl, an aryl-C₆-C₂₂ alkenyl or a C₅ to C₈ cycloalkyl, wherein the alkenyl radical has 1 to 3 nonadjacent double bonds, or R^b is a radical of formula III



where the sequence of the alkylene oxide units is arbitrary and v and w independently of each other are an integer from 0 to 100,
and mixtures thereof.

Claim 30 (New): The abrasive material as claimed in claim 22, wherein the weight ratio based on solids of polymer A1 to polymer A2 is in the range from 7:1 to 1:7.

Claim 31 (New): The abrasive material as claimed in claim 27, wherein the weight ratio based on solids of polymer A1 to polymer A2 is in the range from 3:1 to 1:3.

Claim 32 (New): The abrasive material as claimed in claim 27, wherein the polymer A2 further comprises an alkanolamine crosslinker having at least two hydroxyl groups.

Claim 33 (New): The abrasive material as claimed in claim 27, wherein the polymer A1 has a glass transition temperature of from -20°C to +30°C.

Claim 34 (New): The abrasive material as claimed in claim 27, wherein the polymer A1 is at least one copolymer having a hard comonomer having a glass transition temperature of from 65 to 165°C, and a soft comonomer having a glass transition temperature of from -65 to -10°C.

Claim 35 (New): The abrasive material as claimed in claim 27, further comprising: one or more organic or inorganic, polymeric mixing components in dissolved or dispersed form.

Claim 36 (New): An abrasive paper, comprising:
the abrasive material of claim 27, and a paper substrate, wherein the abrasive material is present on at least one surface of the substrate paper.

Claim 37 (New): An abrasive cloth, comprising:
the abrasive material of claim 27 and a cloth,
wherein the dried aqueous polymer dispersion is present on a surface of the cloth or
the cloth is embedded in a matrix of the dried aqueous polymer dispersion.

Claim 38 (New): A scouring pad, comprising:
the abrasive material of claim 27, wherein the abrasive grit is present dispersed in the
matrix of the dried abrasive material.

BASIS FOR THE AMENDMENT

Claims 14-38 are active in the present application. Claims 1-13 have been canceled. Claims 14-38 are new claims. Support for the new claims is found in the original claims and throughout the specification. No new matter is believed to have been added by this amendment.